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TO: Examiner Elahee, Art Unit 2645 FAX NO: (703) 872-9306
AND SPE Fan Tsang
DATE: April 22, 2005
FROM: Henry I. Steckler
RE: US S/N 09/892,035 P&G Reference: 324-010440-US(PAR)

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Transmittal of Appeal Brief

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES

| | | | |
|---|---|---|---|
| APPLICANT(s): | Koskinen et al. | | |
| SERIAL NO.: | 09/892,035 | ART UNIT: | 2645 |
| FILING DATE: | 6/26/2001 | EXAMINER: | Elahee, MD S. |
| TITLE: | ELECTRONIC SYSTEM | | |
| ATTORNEY DOCKET NO.: | 324-010440-US (PAR) | | |

Board of Patent Appeals and Interferences
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

**TRANSMITTAL OF APPEAL BRIEF**

Enclosed is our appeal brief with a corrected serial number and a copy of a receipt post card.

The enclosed receipt post card shows an appeal brief with the incorrect serial number 09/829,035 was filed on February 7, 2005 along with a check for $500.00. It is submitted that no late fee is now required since 37 CFR 1.5 states that if no serial number is present, and the applicant timely resubmits the paper, the first filing date is considered the effective filing date. It is submitted that the same should hold true for our incorrect serial number.

During a telephone interview on April 21, 2005 with SPE Fan Tsang the above description of the situation was agreed to by both the SPE and the applicant's attorney.

Thus, an entry of the enclosed brief is requested without further charge.

The Commissioner is hereby authorized to charge payment for any fees associated with this communication or credit any over payment to Deposit Account No. 16-1350.

Respectfully submitted,

Henry I. Steckler
Reg. No.: 24,139

April 22, 2005
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CERTIFICATE OF FACSIMILE TRANSMISSION

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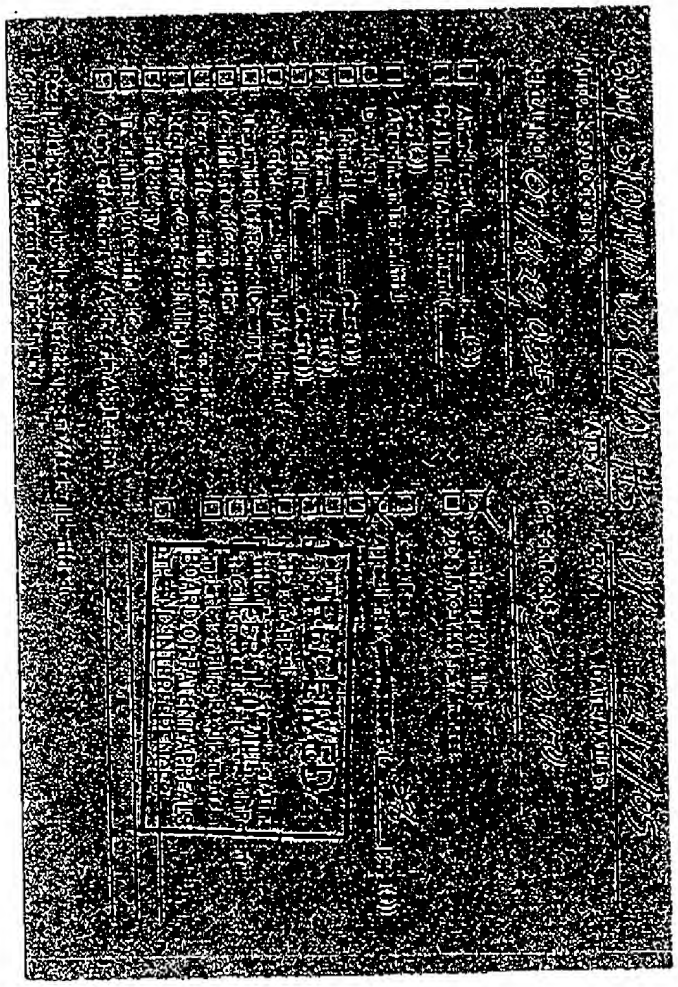

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**APPELLANTS' BRIEF**

This is an appeal from the final rejection of the claims in the above-identified application. A Notice of Appeal was mailed on December 6, 2004.

**I. REAL PARTY IN INTEREST**

The real party in interest in this Appeal is:

Nokia Mobile Phones, Ltd.

## II. RELATED APPEALS AND INTERFERENCES

There are no related appeals or interferences regarding this application.

## III. STATUS OF CLAIMS

Claims 1, 9, 11-30, 37, 39-58 and 62-112 are pending in the application.

Claims 2-8, 10, 31-36, 38 and 59-61 have been cancelled.

Claims 1, 9, 11-30, 37, 39-58 and 62-112 have been finally rejected.

The claims on appeal are 1, 9, 11-30, 37, 39-58 and 62-112.

## IV. STATUS OF AMENDMENTS

A non-amendment response after final rejection was filed.

## V. SUMMARY OF CLAIMED SUBJECT MATTER

The invention relates to an electronic system for implementing an optimized way to provide information from a first electronic device (Fig. 2, 200; p. 4, l. 5, to p. 16, l. 21) to a second electronic device (Fig. 2; p. 4, ll. 5-6), e.g. a portable computer, and to a method (Fig. 7, p. 15, l. 21, to p. 16, l. 26) of implementing a virtual noticeboard (p. 4, l. 17; Fig. 8, 808; p. 17, ll. 5-6).



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Two main embodiments are in the application:

A) the noticeboard is in a subscriber terminal (p. 2, l. 33, to p. 3, l. 5), whereby the noticeboard communicates with the radio means of the terminal in the coverage area around the terminal (claims 1, 30, 58); and

B) the noticeboard is global (p. 3, ll. 6-13), but the information provided by the noticeboard includes location information as metainformation on the area within which the second device is located and the location information informs for which locations the noticeboard provides interesting information (claims 62, 87, 112).

Thus, local information is quickly provided to electronic devices.

The independent claims are:

1. An electronic system comprising:

a first electronic device (Fig. 1B, 148; Fig. 2, 200; p. 4, l. 5) comprising means for implementing a virtual noticeboard (Fig. 2, 202; p. 4, ll. 16 and 17);

first radio means for implementing data transmission with regard to the virtual noticeboard of the first electronic device (Fig. 2, 204, 206, 208, 242; p. 4, ll. 28-30);

at least one second portable electronic device (Fig. 4, 210; Fig. 8, 800, 802; p. 4, ll. 5 and 6) comprising second radio means for implementing the data transmission (Fig. 4,



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212, 216; p. 5, ll. 24 and 25), and means for processing information received from the virtual noticeboard of the first electronic device (Fig. 2, 218; p. 6, ll. 1 and 2);

the first and the second radio means are arranged to implement the data transmission from the first device to the second device, the data transmission being used for transmitting information from the virtual noticeboard of the first electronic device to the second device (p. 6, ll. 9-13);

the context in the virtual noticeboard of the first electronic device is arranged to be transmitted to the second device located within a geographically limited coverage area of the first radio means of the first (p. 6, ll. 27-31); and

the second device comprises selecting means for selecting the reception of the virtual noticeboard of the first device (Fig. 2, 218, 220, 222; p. 6, ll. 32-36);

wherein the first radio means are the radio means in connection with the first device, and the first device is portable user equipment in the mobile telephone system (p. 4, ll. 23-27).

30. A method of using a virtual noticeboard (Fig. 8, 808), comprising:

implementing (Fig. 7A, 702; p. 15, ll. 23 and 24) the virtual noticeboard in a first electronic device (Fig. 1B, 148; Fig. 2, 200; p. 4, l. 5);



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arranging (Fig. 7A, 704; p. 15, ll. 25-28) the context in the contents of the virtual noticeboard of the first device to be transmitted to a second electronic device (Fig. 4, 210; p. 4, ll. 5 and 6; Fig. 8, 800, 802) located within a geographically limited coverage area of first radio means (Fig. 7A, 706; p. 15, ll. 31-34);

selecting, in the second device, a receiving mode of the virtual noticeboard of the first device (Fig. 7A, 712; p. 15, l. 35 to p. 16, l. 5); and

transmitting, on a radio connection implemented by radio means, information from the virtual noticeboard of the first device to be processed by at least one second electronic device (Fig. 7A, 720; p. 16, ll. 9-13);

wherein the first device is portable user equipment in a mobile telephone system (p. 4, ll. 23-27).

58. An electronic device (Fig. 2, 200) comprising:

means for implementing a virtual noticeboard (Fig. 2, 202; p. 4, ll. 16 and 17);

radio means for implementing data transmission with regard to the virtual noticeboard of the device to at least one second portable electronic device (Fig. 2, 204, 206, 208, 242; p. 4, ll. 28-30; Fig. 8, 800, 802); and



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the context in the virtual noticeboard of the device is arranged to be transmitted to the second device located within a geographically limited coverage area of the radio means of the device (p. 6, ll. 27-31);

wherein the radio means are the radio means in connection with the device (p. 5, ll. 9-11).

62. An electronic system comprising:

a first electronic device (Fig. 1B, 148; Fig. 2, 200; p. 4, l. 5) comprising means for implementing a virtual noticeboard (Fig. 2, 202; p. 4, ll. 16 and 17);

first radio means for implementing data transmission with regard to the virtual noticeboard of the first electronic device (Fig. 2, 204, 206, 208, 242; p. 4, ll. 28-30);

at least one second portable electronic device (Fig. 4, 210; p. 4, ll. 5 and 6; Fig. 8, 800, 802) comprising second radio means for implementing the data transmission (Fig. 4, 212, 216; p. 5, ll. 24 and 25), and means for processing information received from the virtual noticeboard of the first electronic device (Fig. 2, 218; p. 6, ll. 1 and 2);

the first and the second radio means are arranged to implement the data transmission from the first device to the second device, the data transmission being used for transmitting information from the virtual noticeboard of the first electronic device to the second device (p. 6, ll. 9-13);



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the context in the virtual noticeboard of the first electronic device is arranged to be transmitted to the second device located within a geographically limited coverage area of the first radio means of the first (p. 6, ll. 27-31); and

the second device comprises selecting means for selecting the reception of the virtual noticeboard of the first device (Fig. 2, 218, 220, 222; p. 6, ll. 32-36),

wherein the first radio means are at least one base station in the mobile telephone system communicating with the first device (p. 5, ll. 11-13), and the virtual noticeboard of the first device is arranged to include in the transmitted information location information as metainformation on the area within which the second device is located and for which second device the context in the virtual noticeboard of the first device is arranged (p. 6, ll. 27-31).

87. A method of using a virtual noticeboard (Fig. 8, 808), comprising:

implementing (Fig. 7A, 702; p. 15, ll. 23 and 24) the virtual noticeboard in a first electronic device (Fig. 1B, 148; Fig. 2, 200; p. 4, l. 5);

arranging (Fig. 7A, 704; p. 15, ll. 25-28) the context in the contents of the virtual noticeboard of the first device to be transmitted to a second electronic device (Fig. 4, 200; p. 4, ll. 5 and 6; Fig. 8, 800, 802) located within a



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geographically limited coverage area of first radio means (Fig. 7A, 706; p. 15, ll. 31-34);

selecting, in the second device, a receiving mode of the virtual noticeboard of the first device (Fig. 7A, 712; p. 15, l. 35 to p. 16 l. 5);

transmitting, on a radio connection implemented by radio means, information from the virtual noticeboard of the first device to be processed by at least one second electronic device (Fig. 7A, 720; p. 16, ll. 9-13); and

wherein the virtual noticeboard of the first device includes in the transmitted information location information as metainformation on the area within which the second device is located and for which second device the context in the virtual noticeboard of the first device is arranged (p. 6, ll. 27-31).

112. An electronic device comprising:

means for implementing a virtual noticeboard (Fig. 2, 202; p. 4, ll. 16 and 17);

radio means for implementing data transmission with regard to the virtual noticeboard of the device to at least one second portable electronic device (Fig. 2, 202; p. 4, ll. 16 and 17); and



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the context in the virtual noticeboard of the device is arranged to be transmitted to the second device located within a geographically limited coverage area of the radio means of the device (p. 6, ll. 27-31);

wherein the radio means are at least one base station in the mobile telephone system communicating with the device (p. 5, ll. 11-13), and the virtual noticeboard of the device is arranged to include in the transmitted information location information as metainformation on the area within which the second device is located and for which second device the context in the virtual noticeboard of the device is arranged (p. 6, ll. 27-31).

The argued dependent claims (including interviewing claims) are:

64. A system as claimed in claim 62, wherein the selecting means (Fig. 2, 218, 220, 222) of the second device are arranged to show all virtual noticeboards received (p. 7, ll. 1 and 2).

65. A system as claimed in claim 64, wherein the received virtual noticeboards are shown in order of relevance such that the virtual noticeboards which transmit location information corresponding with the location of the second device are shown first (p. 7, ll. 4-7).

76. A system as claimed in claim 62, wherein the first device (Fig. 1B, 148; Fig. 2, 200) comprises means (Fig. 2, 204) for

automatically transmitting information on the noticeboard to all second devices located in the coverage area (p. 8, ll. 26-28).

79. A system as claimed in claim 76, wherein the second device (Fig. 2, 210; Fig. 8, 800, 802) comprises means (Fig. 2, 218) for determining whether to include contact information in the reply information transmitted to the first device or whether to keep the second device anonymous (p. 14, ll. 30-33).

80. A system as claimed in claim 76, wherein the first device (Fig. 1B, 148; Fig. 2, 200) comprises means (Fig. 2, 210) for calculating how many times a certain piece of information has been retrieved from its virtual noticeboard (p. 14, l. 35, to p. 15, l. 1).

89. A method as claimed in claim 87, wherein the second device shows all virtual noticeboards received (p. 7, ll. 1 and 2).

90. A method as claimed in claim 89, wherein the received virtual noticeboards are shown in order of relevance such that the virtual noticeboards which transmit location information corresponding with the location of the second device are shown first (p. 7, ll. 4-7).



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101. A method as claimed in claim 87, wherein the first device automatically transmits information on the noticeboard to all second devices located in the coverage area (p. 8, ll. 26-28).

103. A method as claimed in claim 101, wherein the first device is used for determining whether to automatically include contact information in the information transmitted to the second devices or whether to keep the source of information anonymous (p. 14, ll. 30-33).

105. A method as claimed in claim 101, wherein the first device is used for calculating how many times a certain piece of information has been retrieved from its virtual noticeboard (p. 14, l. 35 to p. 15, l. 1).

VI. GROUNDS OF REJECTION TO BE REVIEWED ON APPEAL

1. Claims 62-86 and 112 are rejected under 35 USC 102 on Emilsson (WO98/59506).
2. Claims 1, 9, 11-30, 37, 39-58 and 87-111 are rejected under 35 USC 103 on Emilsson in view of Pass (2004/0078354).

VII. ARGUMENT

A. Claims 62-86 and 112

In Emilsson, the critical passage is at page 2, lines 19-28, to which the Examiner is referring and asserting that it discloses the end of embodiment B (e.g., in claim 62: "... and the virtual noticeboard of the first device is arranged to include in the



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transmitted information location information as metainformation on the area within which the second device is located and for which second device the context in the virtual noticeboard of the first device is arranged"). This quoted passage in Emilsson is equal to claim 1 of Emilsson (suitably formulated):

a) a system for distributing information relating to a geographical location in which an information user is located,

b) a computer-based data base containing information relating to said geographic area,

c) location means are provided for routing information to user terminals located in a particular geographic area,

d) data means are provided for:

d1) identifying local information relating to said particular geographical area, and

d2) transmitting

d21) either, data relating to the location of said local information, or

d22) said local information itself, to a user terminal

Explanation: To the user is transmitted either data relating to the location of local information (= d21) or the local information itself ( = d22). Data relating to the location of local information maybe an http address for a local information server containing the local information. Thus, Emilsson does not disclose embodiment B of the present invention, wherein the noticeboard is global, but the information provided by the



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noticeboard includes location information as metainformation, and the location information informs for which locations the noticeboard provides interesting information. In Emilsson (see point c above), information is routed to user terminals located in a particular geographic area, i.e., Emilsson does not disclose a global noticeboard needing location information as metainformation as recited in the last paragraph of claims 62 and 112.

Thus the rejection of claims 62-86 and 112 under 35 U.S.C. 102 on Emilsson should be reversed.

Further, since the above features are not suggested by this reference, these claims are unobvious over it.

A1. Claim 64

Contrary to the Examiner's statement, the cited passage does not disclose or suggest showing all virtual noticeboards received. For this additional reason, claim 64 is patentable.

A2. Claim 65

The cited passage does not disclose or suggest anything about a relevance priority order. For this additional reason, claim 65 is patentable.

A3. Claim 79

Fig. 1 and the cited passages disclose or suggest nothing about keeping the second device anonymous. The closest is the abstract, but this only discloses concealing details about the process, which has nothing to do with keeping the second device anonymous. For this additional reason claim 79 is patentable.



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A4. Claim 80

Fig. 1 and the cited passages disclose or suggest nothing about how calculating many times a piece of information has been retrieved from its home page. For this additional reason, claim 80 is patentable.

B. Claims 1, 9, 11-30, 37, 39-58 and 87-111.

Pass is for the problem of allowing the user of a wireless device to directly input information, e.g., stock prices to a web page and to receive an immediate response (p. 1, paragraph 0008). This is not the same problem which the present invention solves, i.e., rapid transmission of local information since stock prices are hardly local. Thus, the combination of Emilsson with Pass is improper.

More important, Pass discloses a solution (see Fig. 1), wherein a wireless device 1 (= a pager, a portable computer using wireless e-mail, or a mobile telephone using wireless e-mail) connects to a wireless server 2. Through the wireless server 2 online services (such as online stock trading services) 4 may be used with a web page 3. As can be seen from Fig. 1, wireless device 1 may be movable, but the wireless server 2 is fixedly connected via a webot (= web robot) 6 to a database 5 and the online service 4. It is therefore submitted that the Examiner's assertion that the wireless server 2 of Pass is a portable terminal (as in embodiment A) is therefore incorrect. Pass discloses a normal client/server solution, where the client is the wireless terminal and the server is a server computer fixedly connected to a fixed network, and where the server computer includes a communication unit enabling a wireless



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connection with the client (see paragraphs 0042 and 0043 of Pass, for example). The purpose of the invention in Pass is "to disclose an interactive, wireless devices to on-line system, where a wireless device user can directly submit input information into a web page" (sic).

Hence, neither Emilsson nor Pass disclose either embodiment of the present invention. In particular, claim 30 recites that "...the first device is portable user equipment...". Claim 58 recites "...the radio means are the radio means in connection with the device." Claim 1 has both limitations.

Thus even if Pass is somehow combined with Emilsson, the result is not the present invention. Hence the rejection of claims 1, 9, 11-30, 37, 39-58 and 87-111 under 35 U.S.C. 103 over this reference combination should be reversed.

B1. Claim 89

Contrary to the Examiner's statement, the cited passage does not disclose or suggest showing all virtual noticeboards received. Neither does Pass. For this additional reason, claim 89 is patentable.

B2. Claim 90

Pass and the cited passage do not disclose or suggest anything about a relevance priority order. For this additional reason, claim 90 is patentable.

B3. Claim 103

Fig. 1 and the cited passages disclose or suggest nothing about keeping the second device anonymous. The closest is the



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abstract, but this only discloses concealing details about the process, which has nothing to do with keeping the second device anonymous. Pass also fails to disclose this. For this additional reason claim 103 is patentable.

B4. Claim 105

Fig. 1 and the cited passages disclose or suggest nothing about how calculating many times a piece of information has been retrieved from its home page. Neither does Pass disclose this. For this additional reason, claim 105 is patentable.

A check in the amount of $500 is enclosed herewith for the appeal brief fee. The Commissioner is hereby authorized to charge payment for any additional fees associated with this communication or credit any over payment to Deposit Account No. 16-1350.

Respectfully submitted,

Henry I. Steckler
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## VIII. CLAIM APPENDIX

The texts of the claims involved in the appeal are:

1. An electronic system comprising:

a first electronic device comprising means for implementing a virtual noticeboard;

first radio means for implementing data transmission with regard to the virtual noticeboard of the first electronic device;

at least one second portable electronic device comprising second radio means for implementing the data transmission, and means for processing information received from the virtual noticeboard of the first electronic device;

the first and the second radio means are arranged to implement the data transmission from the first device to the second device, the data transmission being used for transmitting information from the virtual noticeboard of the first electronic device to the second device;

the context in the virtual noticeboard of the first electronic device is arranged to be transmitted to the second device located within a geographically limited coverage area of the first radio means of the first; and

the second device comprises selecting means for selecting the reception of the virtual noticeboard of the first device;



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wherein the first radio means are the radio means in connection with the first device, and the first device is portable user equipment in the mobile telephone system.

9. A system as claimed in claim 1, wherein the first device is a server computer with its software.

11. A system as claimed in claim 1, wherein the first device is a part of a network element in the mobile telephone system.

12. A system as claimed in claim 1, wherein the second device is portable user equipment in the mobile telephone system.

13. A system as claimed in claim 1, wherein the radio means are a short-range radio transceiver or a radio transceiver in the mobile telephone system.

14. A system as claimed in claim 1, wherein as a protocol, the radio means use a short message service, WAP (Wireless Application Protocol), wireless local area network, GSM data call or GPRS (General Packet Radio Service), or another wireless radio system protocol.

15. A system as claimed in claim 1, wherein the virtual noticeboard is bound to a physical location, such as an airport, railway station, vehicle, train, business location, store,



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restaurant, office, conference site, trade fair site or building.

16. A system as claimed in claim 1, wherein the virtual noticeboard is bound to the first electronic device.

17. A system as claimed in claim 16, wherein the virtual noticeboard is a personal noticeboard of the user of the first device.

18. A system as claimed in claim 1, wherein the selecting means are arranged to show the noticeboards received by the second radio means, to select the noticeboards desired by the user, and to request the first device to transmit the selected piece of information from the noticeboard.

19. A system as claimed in claim 1, wherein the first device comprises means for automatically transmitting information on the noticeboard to all second devices located in the coverage area.

20. A system as claimed in claim 19, wherein the selecting means are used for selecting whether or not to receive the information on the noticeboard automatically transmitted by the first device.



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21. A system as claimed in claim 19, wherein the first device comprises means for determining whether to automatically include contact information in the information transmitted to the second devices or whether to keep the source of information anonymous.

22. A system as claimed in claim 19, wherein the second device comprises means for determining whether to include contact information in the reply information transmitted to the first device or whether to keep the second device anonymous.

23. A system as claimed in claim 19, wherein the first device comprises means for calculating how many times a certain piece of information has been retrieved from its virtual noticeboard.

24. A system as claimed in claim 19, wherein the second device comprises means for transmitting the information retrieved from the virtual noticeboard of the first device to the application processing the information.

25. A system as claimed in claim 24, wherein the application processing the information is communication software enabling data transmission from the second device with a party determined in the retrieved information.

26. A system as claimed in claim 1, wherein the information on the noticeboard of the first device is only transmitted to such second devices which meet predetermined conditions for use.



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27. A system as claimed in claim 26, wherein the conditions for use are based on membership in a group or on a particular user profile.

28. A system as claimed in claim 1, wherein the transmitted information on the noticeboard is text and/or voice and/or images and/or moving video image.

29. A system as claimed claim 1, wherein the context, in addition to location, also comprises time.

30. A method of using a virtual noticeboard, comprising:

implementing the virtual noticeboard in a first electronic device;

arranging the context in the contents of the virtual noticeboard of the first device to be transmitted to a second electronic device located within a geographically limited coverage area of first radio means;

selecting, in the second device, a receiving mode of the virtual noticeboard of the first device; and

transmitting, on a radio connection implemented by radio means, information from the virtual noticeboard of the first device to be processed by at least one second electronic device;



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wherein the first device is portable user equipment in a mobile telephone system.

37. A method as claimed in claim 30, wherein the first device is a server computer with its software.

39. A method as claimed in claim 30, wherein the first device is a part of a network element in the mobile telephone system.

40. A method as claimed in claim 30, wherein the second device is portable user equipment in the mobile telephone system.

41. A method as claimed in claim 30, wherein the radio means are a short-range radio transceiver or a radio transceiver in the mobile telephone system.

42. A method as claimed in claim 30, wherein as a protocol, the radio means use a short message service, WAP (Wireless Application Protocol), wireless local area network, GSM data call or GPRS (General Packet Radio Service), or another wireless radio system protocol.

43. A method as claimed in claim 30, wherein the virtual noticeboard is bound to a physical location, such as an airport, railway station, vehicle, train, business location, store,



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restaurant, office, conference site, trade fair site or building.

44. A method as claimed in claim 30, wherein the virtual noticeboard is bound to the first electronic device.

45. A method as claimed in claim 44, wherein the virtual noticeboard is a personal noticeboard of the user of the first device.

46. A method as claimed in claim 30, wherein the selection of a receiving mode comprises:

showing, in the second device, the noticeboards received by the radio means of the second device,

selecting the noticeboards desired by the user; and

requesting the first device to transmit the selected piece of information from the noticeboard.

47. A method as claimed in claim 30, wherein the first device automatically transmits information on the noticeboard to all second devices located in the coverage area.

48. A method as claimed in claim 47, wherein the user of the second device selects whether or not to receive the information



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on the noticeboard automatically transmitted by the first device.

49. A method as claimed in claim 47, wherein the first device is used for determining whether to automatically include contact information in the information transmitted to the second devices or whether to keep the source of information anonymous.

50. A method as claimed in claim 47, wherein the second device is used for determining whether to include contact information in the reply information transmitted to the first device or whether to keep the second device anonymous.

51. A method as claimed in claim 47, wherein the first device is used for calculating how many times a certain piece of information has been retrieved from its virtual noticeboard.

52. A method as claimed in claim 47, wherein the second device is used for transmitting the information retrieved from the virtual noticeboard of the first device to the application processing the information.

53. A method as claimed in claim 52, wherein the application processing the information is communication software, and a data transmission connection is established with a party determined in the retrieved information.



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54. A method as claimed in claim 30, wherein the information on the noticeboard of the first device is only transmitted to such second devices which meet predetermined conditions for use.

55. A method as claimed in claim 54, wherein the conditions for use are based on membership in a group or on a particular user profile.

56. A method as claimed in claim 30, wherein the transmitted information on the noticeboard is text and/or voice and/or images and/or moving video image.

57. A method as claimed in claim 30, wherein the context, in addition to location, also comprises time.

58. An electronic device comprising:

means for implementing a virtual noticeboard;

radio means for implementing data transmission with regard to the virtual noticeboard of the device to at least one second portable electronic device; and

the context in the virtual noticeboard of the device is arranged to be transmitted to the second device located within a geographically limited coverage area of the radio means of the device;



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wherein the radio means are the radio means in connection with the device.

62. An electronic system comprising:

a first electronic device comprising means for implementing a virtual noticeboard;

first radio means for implementing data transmission with regard to the virtual noticeboard of the first electronic device;

at least one second portable electronic device comprising second radio means for implementing the data transmission, and means for processing information received from the virtual noticeboard of the first electronic device;

the first and the second radio means are arranged to implement the data transmission from the first device to the second device, the data transmission being used for transmitting information from the virtual noticeboard of the first electronic device to the second device;

the context in the virtual noticeboard of the first electronic device is arranged to be transmitted to the second device located within a geographically limited coverage area of the first radio means of the first; and

the second device comprises selecting means for selecting the reception of the virtual noticeboard of the first device,



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wherein the first radio means are at least one base station in the mobile telephone system communicating with the first device, and the virtual noticeboard of the first device is arranged to include in the transmitted information location information as metainformation on the area within which the second device is located and for which second device the context in the virtual noticeboard of the first device is arranged.

63. A system as claimed in claim 62, wherein the selecting means of the second device are arranged only to show such virtual noticeboards which transmit location information corresponding with the location of the second device.

64. A system as claimed in claim 62, wherein the selecting means of the second device are arranged to show all virtual noticeboards received.

65. A system as claimed in claim 64, wherein the received virtual noticeboards are shown in order of relevance such that the virtual noticeboards which transmit location information corresponding with the location of the second device are shown first.

66. A system as claimed in claim 62, wherein the second device comprises means for determining its location.



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67. A system as claimed in claim 62, wherein the first device is a server computer with its software.

68. A system as claimed in claim 62, wherein the first device is a part of a network element in the mobile telephone system.

69. A system as claimed in claim 62, wherein the second device is portable user equipment in the mobile telephone system.

70. A system as claimed in claim 62, wherein the radio means are short-range radio transceiver or a radio transceiver in the mobile telephone system.

71. A system as claimed in claim 62, wherein as a protocol, the radio means use a short message service, WAP (Wireless Application Protocol), wireless local area network, GSM data call or GPRS (General Packet Radio Service), or another wireless radio system protocol.

72. A system as claimed in claim 62, wherein the virtual noticeboard is bound to a physical location, such as an airport, railway station, vehicle, train, business location, store, restaurant, office, conference site, trade fair site or building.



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73. A system as claimed in claim 62, wherein the virtual noticeboard is bound to the first electronic device.

74. A system as claimed in claim 76 (sic, should be 73), wherein the virtual noticeboard is a personal noticeboard of the user of the first device.

75. A system as claimed in claim 62 wherein the selecting means are arranged to show the noticeboards received by the second radio means, to select the noticeboards desired by the user, and to request the first device to transmit the selected piece of information from the noticeboard.

76. A system as claimed in claim 62, wherein the first device comprises means for automatically transmitting information on the noticeboard to all second devices located in the coverage area.

77. A system as claimed in claim 76, wherein the selecting means are used for selecting whether or not to receive the information on the noticeboard automatically transmitted by the first device.

78. A system as claimed in claim 76, wherein the first device comprises means for determining whether to automatically include contact information in the information transmitted to the second devices or whether to keep the source of information anonymous.



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79. A system as claimed in claim 76, wherein the second device comprises means for determining whether to include contact information in the reply information transmitted to the first device or whether to keep the second device anonymous.

80. A system as claimed in claim 76, wherein the first device comprises means for calculating how many times a certain piece of information has been retrieved from its virtual noticeboard.

81. A system as claimed in claim 76, wherein the second device comprises means for transmitting the information retrieved from the virtual noticeboard of the first device to the application processing the information.

82. A system as claimed in claim 81, wherein the application processing the information is communication software enabling data transmission from the second device with a party determined in the retrieved information.

83. A system as claimed in claim 62, wherein the information on the noticeboard of the first device is only transmitted to such second devices which meet predetermined conditions for use.

84. A system as claimed in claim 83, wherein the conditions for use are based on membership in a group or on a particular user profile.



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85. A system as claimed in claim 62, wherein the transmitted information on the noticeboard is text and/or voice and/or images and/or moving video image.

86. A system as claimed in claim 62, wherein the context, in addition to location, also comprises time.

87. A method of using a virtual noticeboard, comprising:

implementing the virtual noticeboard in a first electronic device;

arranging the context in the contents of the virtual noticeboard of the first device to be transmitted to a second electronic device located within a geographically limited coverage area of first radio means;

selecting, in the second device, a receiving mode of the virtual noticeboard of the first device;

transmitting, on a radio connection implemented by radio means, information from the virtual noticeboard of the first device to be processed by at least one second electronic device; and

wherein the virtual noticeboard of the first device includes in the transmitted information location information as metainformation on the area within which the second device is located and for which second device the context in the virtual noticeboard of the first device is arranged.



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88. A method as claimed in claim 87, wherein the second device only shows such virtual noticeboards which transmit location information corresponding with the location of the second device.

89. A method as claimed in claim 87, wherein the second device shows all virtual noticeboards received.

90. A method as claimed in claim 89, wherein the received virtual noticeboards are shown in order of relevance such that the virtual noticeboards which transmit location information corresponding with the location of the second device are shown first.

91. A method as claimed in claim 87, wherein the second device determines its location.

92. A method as claimed in claim 87, wherein the first device is a server computer with its software.

93. A method as claimed in claim 87, wherein the first device is a part of a network element in the mobile telephone system.

94. A method as claimed in claim 87, wherein the second device is portable user equipment in the mobile telephone system.



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95. A method as claimed in claim 87, wherein the radio means are a short-range radio transceiver or a radio transceiver in the mobile telephone system.

96. A method as claimed in claim 87, wherein as a protocol, the radio means use a short message service, WAP (Wireless Application Protocol), wireless local area network, GSM data call or GPRS (General Packet Radio Service), or another wireless radio system protocol.

97. A method as claimed in claim 87, wherein the virtual noticeboard is bound to a physical location, such as an airport, railway station, vehicle, train, business location, store, restaurant, office, conference site, trade fair site or building.

98. A method as claimed in claim 87, wherein the virtual noticeboard is bound to the first electronic device.

99. A method as claimed in claim 98, wherein the virtual noticeboard is a personal noticeboard of the user of the first device.

100. A method as claimed in claim 87, wherein the selection of a receiving mode comprises:



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showing, in the second device, the noticeboards received by the radio means of the second device,

selecting the noticeboards desired by the user; and

requesting the first device to transmit the selected piece of information from the noticeboard.

101. A method as claimed in claim 87, wherein the first device automatically transmits information on the noticeboard to all second devices located in the coverage area.

102. A method as claimed in claim 101, wherein the user of the second device selects whether or not to receive the information on the noticeboard automatically transmitted by the first device.

103. A method as claimed in claim 101, wherein the first device is used for determining whether to automatically include contact information in the information transmitted to the second devices or whether to keep the source of information anonymous.

104. A method as claimed in claim 101, wherein the second device is used for determining whether to include contact information in the reply information transmitted to the first device or whether to keep the second device anonymous.



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105. A method as claimed in claim 101, wherein the first device is used for calculating how many times a certain piece of information has been retrieved from its virtual noticeboard.

106. A method as claimed in claim 101, wherein the second device is used for transmitting the information retrieved from the virtual noticeboard of the first device to the application processing the information.

107. A method as claimed in claim 106, wherein the application processing the information is communication software, and a data transmission connection is established with a party determined in the retrieved information.

108. A method as claimed in claim 87, wherein the information on the noticeboard of the first device is only transmitted to such second devices which meet predetermined conditions for use.

109. A method as claimed in claim 108, wherein the conditions for use are based on membership in a group or on a particular user profile.

110. A method as claimed in claim 87, wherein the transmitted information on the noticeboard is text and/or voice and/or images and/or moving video image.



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111. A method as claimed in claim 87, wherein the context, in addition to location, also comprises time.

112. An electronic device comprising:

means for implementing a virtual noticeboard;

radio means for implementing data transmission with regard to the virtual noticeboard of the device to at least one second portable electronic device; and

the context in the virtual noticeboard of the device is arranged to be transmitted to the second device located within a geographically limited coverage area of the radio means of the device;

wherein the radio means are at least one base station in the mobile telephone system communicating with the device, and the virtual noticeboard of the device is arranged to include in the transmitted information location information as metainformation on the area within which the second device is located and for which second device the context in the virtual noticeboard of the device is arranged.



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## VIII. EVIDENCE APPENDIX

Not Applicable

## IX. RELATED PROCEEDINGS APPENDIX

Not Applicable



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